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**(54) Title: METHOD AND DEVICE FOR DISCOVERING AND LOCALIZING UNDESIRABLE RADIO EMISSIONS**

**(54) Bezeichnung: VERFAHREN UND VORRICHTUNG ZUR AUFDECKUNG UND ÖRTLICHEN EINGRENZUNG UNERWÜNSCHTER FUNKAUSSENDUNGEN**

**(57) Abstract**

The invention relates to a method for discovering and localizing undesirable radio emissions (5, 12, 19), for example unauthorized radio telephony. According to said method, the environment of a radio receiver (2) is examined for the presence of radio emissions (5, 12, 19), whereby the radio receiver (2) that is used comprises a receiver device that can be influenced with respect to the reception qualities thereof. The invention is characterized in that a reproduction of undesirable radio emissions is recorded after at least one learning phase during which reproductions of radiated and locally known reference radio emissions are detected as a result of changing spatial allocation between a reference transmitter for radio emissions (5, 12, 19) and a radio receiver (2), followed by at least one measuring phase during which the environment is searched from the radio transmitter (2) in order to detect radio emissions (5, 12, 19) emanating from undesirable transmitters (6, 13, 17), followed by an evaluation phase if the undesirable radio emissions (5, 12, 19) are present, whereby the reproductions detected in the learning phase and the reproduction of the radio emissions (5, 12, 19) thus detected are compared with each other and data on the spatial position of the transmitter (6, 13, 17) of the undesirable radio emissions (5, 12, 9) is determined in said environment.

